

TRANSPORTATION ENGINEER, 7278

Summary of Duties : Prepares or supervises the preparation of designs, plans, specifications, cost estimates, studies and reports; supervises the collection of field data in connection with installation of a variety of traffic control projects; and personally performs the more difficult and complex phases of such work; and does related work.

Distinguishing Features : A Transportation Engineer directs, supervises, and coordinates the work of a section within a Division of the Department of Transportation and is responsible for the planning, design and implementation work necessary for the solution of difficult transportation engineering problems. Assignments are received in general terms and the Transportation Engineer must use considerable independent judgment in completing the assignment. In contrast to the class of Transportation Engineering Associate, a Transportation Engineer is a supervisor of a section with full supervisory responsibilities over professional, technical and clerical staff within that section and is directly responsible for the broader and more difficult transportation engineering assignments.

Examples of Duties : Directs, supervises and participates in the preparation of studies, designs, specifications, cost estimates, and reports including recommendations related to transportation matters, such as installation, maintenance and removal of traffic control devices, traffic safety, environmental impact reports and other environmental studies, parking management and mass transit systems; reviews and develops long range advanced plans for traffic control projects, mass transit, and community projects; reviews and evaluates transportation studies and reports and development plans completed or being conducted by other agencies, individuals, and consulting firms; negotiates with representatives of other agencies and the development community on the solution of transportation engineering and/or planning problems;

Reviews and approves work orders, reviews, analyzes, and approves results of field studies and requests relative to various traffic problems and determines the type and scope of investigation required; analyzes, approves, and makes recommendations on proposed transportation and transit system improvements, such as rail transit, commuter express transit, community transit, street improvements, street and freeway system plans; drafts proposed changes in traffic regulations, such as for speed zones and preferential parking districts;

Plans, directs, and coordinates the work of subordinate personnel engaged in the above work; schedules, assigns, and reviews work of subordinate personnel, trains and evaluates performance, handles disciplinary matters and grievances, and makes recommendations on

selection and promotion of employees; interprets department policies and procedures for employees, other agencies and the public; fulfills supervisory affirmative action responsibilities as set forth in the City's Affirmative Action Program; appears before commissions, boards, Council and its committees, and citizen groups regarding transportation issues; prepares and reviews reports, correspondence, letters, and memos; and may occasionally be assigned to other duties for training purposes or to meet technological changes or emergencies.

Qualifications : A good knowledge of transportation engineering theory, principles, and practices; a good knowledge of management, administrative, and supervisory principles and practices; a good knowledge of the types, uses and functional operations of various traffic control devices; a good knowledge of safety principles and practices; a working knowledge of the laws and regulations related to equal employment opportunity and affirmative action; a general knowledge of City personnel rules, policies and procedures; a general knowledge of memoranda of understanding as they relate to subordinate personnel; a general knowledge of statistical procedures used in compiling and presenting data applicable to transportation studies and research; ability to plan, schedule, direct, coordinate and control the work of employees engaged in transportation engineering work; ability to prepare and review plans and specifications and interpret data related to transportation engineering projects, reports and studies; ability to communicate effectively both verbally and in writing; ability to deal tactfully and effectively with the public, personnel from other public and private agencies, subordinates, supervisors and other City personnel.

Two years of full-time paid professional transportation engineering experience at the level of Transportation Engineering Associate is required.

Registration as a Professional Engineer in Traffic or Civil Engineering with the California State Board of Registration for Professional Engineers is required.

License : A valid California driver's license is required.

Physical Requirements : Strength to perform lifting of less than 5 pounds and occasionally over 15 pounds; good speaking and hearing ability; and good eyesight.

Persons with medical limitations may, with reasonable accommodations, be capable of performing the duties of some of the positions in this

class. Such determination must be made on an individual basis in light of the person's limitations, the requirements of the position, and the appointing authority's ability to effect reasonable accommodations to the person's limitations.

As provided in Civil Service Commission Rule 2.5 and Section 4.55 of the Administrative Code, this specification is descriptive, explanatory and not restrictive. It is not intended to declare what all of the duties and responsibilities of any position shall be.